

### AMENDMENTS TO THE CLAIMS

Kindly cancel claims 1-13 and add new claims 14-25 as shown in the following Listing of Claims. The following Listing of Claims replaces all prior versions and Listings of Claims.

#### *Listing of Claims*

Claim 14 (new): A method for a graphical presentation of multidimensional data to a user, comprising:

- a) providing a data set of dimension  $n$  containing data, the data having predetermined data attributes;
- b) for each of the dimensions, generating a plurality of comparative visual scales from at least some of the data attributes associated with the other dimensions; and
- c) displaying the visual scales in a plurality of separate windows;
- d) wherein the displayed windows are linked to each other so that a change in the data set is concurrently reflected in all of the displayed windows;
- e) wherein each of the displayed windows corresponds to a single dimension, the comparative visual scales therein being a comparative presentation that relates to the single dimension and contains one or more visual parameter(s) perceivable by the user as comparative measurements of displayed data relative to other displayed data;
- f) wherein each dimension comprises a plurality of members and each of the visual scales therein corresponds to one of the members thereof; and
- g) wherein the one or more visual parameter(s) for each of the visual scales in each of the dimensions is determined for the corresponding member by a combination

or a transformation of at least some of the data relating to the corresponding member from the other dimensions.

Claim 15 (new): A method according to claim 14, wherein the one or more visual parameter(s) for each of the visual scales in each of the dimensions is calculated according to a predetermined mathematical function.

Claim 16 (new): A method according to claim 14, wherein the one or more visual parameter(s) for each of the visual scales in each of the dimensions are colored bars having respective lengths and colors, the lengths and colors of the bars within each of the displayed windows being comparative.

Claim 17 (new): A method according to claim 16, wherein the lengths of the bars in each of the displayed windows is determined according to a respective predefined mathematical function of length.

Claim 18 (new): A method according to claim 16, wherein the colors of the bars in each of the displayed windows is determined according to a respective predefined mathematical function of color.

Claim 19 (new): A method according to claim 14:

- h) wherein the displaying step comprises displaying the visual scales in an interactive user interface having a user-controllable visual selection means;  
  
further comprising:
- i) selecting at least one of the visual scales in response to the selection means; and
- j) updating the visual scales in at least some of the windows other than the window containing the selected visual scale with information relevant to the member corresponding to the selected visual scale.

Claim 20 (new): A method according to claim 19, further comprising:

- k) rendering the other visual scales in the window containing the selected visual scale as being unselected.

Claim 21 (new): A method according to claim 20, wherein the rendering step comprises dimming or marking the unselected visual scale(s).

Claim 22 (new): A method according to claim 20, wherein the rendering step comprises changing a font or a font characteristics of a name or designation of the member corresponding to the selected visual scale.

Claim 23 (new): A method for an interactive graphical presentation of multidimensional data to a user, comprising:

- a) providing a data set of dimension  $n$  containing data, each of the dimensions comprising one or more members and the data being arranged and stored according to predetermined data attributes;
- b) providing a data processing means for extracting data from the data set and for processing the extracted data for a predetermined presentation, the data processing means having a user interface for communicating a suitable display for displaying the presentation to said user;
- c) upon receiving a request for the presentation from the user, extracting data relevant to the request from the corresponding dimensions in the data set and processing the extracted data by said processing means;
- d) for each of the dimensions, generating one or more comparative visual scales by processing the extracted data associated with the others of the dimensions;
- e) using the one or more comparative visual scales for displaying the processed data in two or more separate windows, linked to each other, so that a change in

the processed data is concurrently reflected in all of the displayed windows, each of the displayed windows corresponding to a single one of the dimensions and containing a comparative presentation of the data related to the members of the single dimension, the comparative presentation in each of the windows containing one or more visual parameter(s) useful to the user as comparative measurement(s) of displayed data for the members thereof;

- f) providing user-controllable visual selection means for selecting one or more members in one of the windows; and
- g) upon selection of one or more members in the one window by the selection means, unselecting all other members therein, and updating the presentation of data dimensions relevant only to the selected visual parameter(s);

wherein each of the data in said data set is determined for a combination of individual members;

wherein the visual parameters for one of the dimensions are determined from a combination or a transformation of a plurality of individual member values associated with others of the dimensions;

wherein the visual parameters are colored bars, the length or color of the bars in each of the windows being comparative with one another; and

wherein the color of each bar in a window is determined according to a predefined mathematical function of color over a predefined color scale.

Claim 24 (new): The method of claim 23 wherein:

the presentation of the unselected member(s) in a dimension is carried out by modifying the presentation of bar(s) associated therewith, the modification being carried out by dimming or marking the unselected bar(s).

Claim 25 (new): The method of claim 23 wherein:

the presentation of the unselected member(s) in a dimension is carried out by modifying the presentation of the bar(s) associated therewith, the modification being carried out by changing a font or a font characteristic of a name or designation of the unselected member(s).